

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|--|------------------|---------|------------------|
| L1 | 2 | (zinc near oxide) and (zinc near polar) and (oxygen near polar) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/06 08:34 |
| L2 | 185 | ((zinc near oxide) or "ZnO") and (zinc or "Zn" near4 polar\$4) and (oxygen near4 polar) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/06 08:37 |
| L3 | 11 | ((zinc near oxide) or "ZnO") and (zinc or "Zn" near4 polar\$4) and (oxygen near4 polar) and (light near emit\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/06 08:38 |
| L4 | 5 | ((zinc near oxide) or "ZnO") and (zinc or "Zn" near4 polar\$4) and (oxygen near4 polar) and (light near emit\$4) and sputter\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/06 08:41 |
| L5 | 26 | ((zinc near oxide) or "ZnO") and (zinc or "Zn" near4 polar\$4) and (oxygen near4 polar) and semiconductor | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/06 08:41 |
| L6 | 10 | ((zinc near oxide) or "ZnO") and (zinc or "Zn" near4 polar\$4) and (oxygen near4 polar) and semiconductor and (LED or (light near emit\$4)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/06 08:42 |
| L7 | 4 | ((zinc near oxide) or "ZnO") and (zinc or "Zn" near4 polar\$4) and (oxygen near4 polar) and semiconductor and (LED or (light near emit\$4)) and sputter\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/06 08:49 |

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| L8 | 39 | ((zinc near oxide) or "ZnO") and (zinc or "Zn" near9 polar\$4) and (oxygen near9 polar\$4) and semiconductor and (LED or (light near emit\$4)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/06 09:01 |
| L9 | 16040 | ((zinc near oxide) or "ZnO") near9 (semiconductor or wafer or substrate or carrier or base) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/06 09:03 |
| L10 | 139 | ((zinc near oxide) or "ZnO") near9 (semiconductor or wafer or substrate or carrier or base) and ((zinc or ZnO) near9 polar\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/06 09:03 |
| L11 | 16 | ((zinc near oxide) or "ZnO") near9 (semiconductor or wafer or substrate or carrier or base) and ((zinc or ZnO) near9 polar\$4) and (oxygen near9 polar\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/06 09:04 |
| L12 | 3 | ((zinc near oxide) or "ZnO") near9 (semiconductor or wafer or substrate or carrier or base) and ((zinc or ZnO) near9 polar\$4) and (oxygen near9 polar\$4) and LED | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/06 09:07 |
| L13 | 3 | ((zinc near oxide) or "ZnO") near9 (semiconductor or wafer or substrate or carrier or base) and ((zinc or ZnO) near9 polar\$4) and (oxygen near9 polar\$4) and (LED or (light near emit\$4)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/06 09:09 |
| L14 | 16 | ((zinc near oxide) or "ZnO") near9 (semiconductor or wafer or substrate or carrier or base) and ((zinc or ZnO) near9 polar\$4) and (oxygen near9 polar\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/06 09:46 |

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| L15 | 763 | ((zinc near oxide) or "ZnO") near9 (semiconductor or wafer or substrate or carrier or base) and (multi near9 layer) and (LED or (light near emit\$4)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/06 09:47 |
| L16 | 470 | ((zinc near oxide) or "ZnO") near9 (semiconductor or wafer or substrate or carrier or base) and (multi near9 layer) and (LED or (light near emit\$4)) and ("n-type" or (n near type)) and ("p-type" or (p near type)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/06 09:50 |
| L17 | 13 | ((zinc near oxide) or "ZnO") near9 (semiconductor or wafer or substrate or carrier or base) and (multi near9 layer) and (LED or (light near emit\$4)) and ("n-type" or (n near type)) and ("p-type" or (p near type)) and contact and clad and (light near guide) and electrode | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/06 09:51 |
| L18 | 7 | ((zinc near oxide) or "ZnO") near9 (semiconductor or wafer or substrate or carrier or base) and (multi near9 layer) and (LED or (light near emit\$4)) and ("n-type" or (n near type)) and ("p-type" or (p near type)) and contact and clad and (light near guide) and electrode and (aluminum or nickel or gold) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/06 09:52 |
| L19 | 2 | ((zinc near oxide) or "ZnO") near9 (semiconductor or wafer or substrate or carrier or base) and (multi near9 layer) and (LED or (light near emit\$4)) and ("n-type" or (n near type)) and ("p-type" or (p near type)) and contact and clad and (light near guide) and electrode and (aluminum or nickel or gold) and sputter\$4 and plasma and (MBE or MOCVD or LBE or laser) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/06 09:56 |
| S1 | 1 | (semiconductor or wafer or semiconductor) near4 (monocrystalline or crystal) and ("ZnO" and "zinc oxide") and (zinc near4 polar\$4) and (oxygen near polar) and (thin near4 film) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/13 08:42 |

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| S2 | 1 | (semiconductor or wafer or semiconductor) near4 (monocrystalline or crystal) and ("ZnO" and "zinc oxide") and (zinc near4 polar\$4) and (oxygen near polar) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/13 08:47 |
| S3 | 93114 | (semiconductor or wafer or semiconductor) near4 (monocrystalline or crystal or wurtzie) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/13 08:47 |
| S4 | 2 | (semiconductor or wafer or semiconductor) near4 (monocrystalline or crystal or wurtzie) and ("ZnO" or "zinc oxide") and (zinc near4 polar) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/13 10:31 |
| S5 | 1 | (semiconductor or wafer or semiconductor) near4 (monocrystalline or crystal or wurtzie) and ("ZnO" or "zinc oxide") and (zinc near4 polar) and (oxygen near4 polar) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/13 08:49 |
| S6 | 4 | (semiconductor or wafer or semiconductor) near8 (monocrystalline or crystal or wurtzie) and ("ZnO" or "zinc oxide") and (zinc near4 polar) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/13 10:32 |
| S7 | 0 | (semiconductor or wafer or semiconductor) near8 (monocrystalline or crystal) and wurtzie and ("ZnO" or "zinc oxide") and (zinc near4 polar) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/13 10:32 |
| S8 | 0 | (semiconductor or wafer or semiconductor) near8 (monocrystalline or crystal) and wurtzie | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/13 10:32 |
| S9 | 0 | wurtzie | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/13 10:34 |

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| S10 | 1817 | wurtzite | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/13 10:34 |
| S11 | 536 | wurtzite near8 (semiconductor or wafer or substrate) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/13 10:34 |
| S12 | 202 | wurtzite near8 ((semiconductor or wafer or substrate) near4 (monocrystalline or crystal)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/13 10:35 |
| S13 | 98 | wurtzite near8 ((semiconductor or wafer or substrate) near4 (monocrystalline or crystal)) and ("ZnO" or "zinc oxide") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/13 10:36 |
| S14 | 0 | wurtzite near8 ((semiconductor or wafer or substrate) near4 (monocrystalline or crystal)) and ("ZnO" or "zinc oxide") and (zinc near4 polar) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/13 10:36 |
| S15 | 0 | wurtzite near8 ((semiconductor or wafer or substrate) near4 (monocrystalline or crystal)) and ("ZnO" or "zinc oxide") and (oxygen near4 polar) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/13 10:37 |
| S16 | 37 | wurtzite near8 ((semiconductor or wafer or substrate) near4 (monocrystalline or crystal)) and ("ZnO" or "zinc oxide") and (thin near4 film) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/14 11:08 |
| S17 | 6092 | ((semiconductor or wafer or substrate) near4 (monocrystalline or crystal)) and ("ZnO" or "zinc oxide") and (thin near4 film) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/13 10:47 |

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| S19 | 0 | ((semiconductor or wafer or substrate) near4 (monocrystalline or crystal)) and ("ZnO" or "zinc oxide") and (thin near4 film) and (zinc near4 polar) and (ox near4 polar) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/13 10:50 |
| S20 | 2 | ((semiconductor or wafer or substrate) near4 (monocrystalline or crystal)) and ("ZnO" or "zinc oxide") and (thin near4 film) and (zinc near4 polar) and (oxygen near4 polar) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/13 10:50 |
| S21 | 3 | ((semiconductor or wafer or substrate) near4 (monocrystalline or crystal)) and ("ZnO" or "zinc oxide") and (thin near4 film) and (zinc near4 polar) and (oxide near4 polar) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/13 10:50 |
| S22 | 4 | ((semiconductor or wafer or substrate) near4 (monocrystalline or crystal)) and ("ZnO" or "zinc oxide") and (thin near4 film) and (zinc near4 polar) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/14 11:02 |
| S23 | 236 | ("ZnO" or "zinc oxide") near8 wurtzite | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/14 11:08 |
| S24 | 3 | ("ZnO" or "zinc oxide") near8 wurtzite and (zinc near4 polar) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/14 11:08 |
| S25 | 3 | ("ZnO" or "zinc oxide") near8 wurtzite and (zinc near4 polar) and (oxygen near4 polar) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/14 11:09 |
| S26 | 233196 | crystal near8 (substrate or semiconductor or wafer) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/04 13:40 |

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| S27 | 656 | crystal near8 (substrate or semiconductor or wafer) and "zinc oxide" near4 (substrate or semiconductor or wafer) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/04 13:41 |
| S28 | 656 | crystal near8 (substrate or semiconductor or wafer) and ("zinc oxide" near4 (substrate or semiconductor or wafer)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/04 13:42 |
| S29 | 3 | crystal near8 (substrate or semiconductor or wafer) and ("zinc oxide" near4 (substrate or semiconductor or wafer)) and (zinc near4 polar) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/04 13:42 |
| S30 | 1 | crystal near8 (substrate or semiconductor or wafer) and ("zinc oxide" near4 (substrate or semiconductor or wafer)) and (zinc near4 polar) and (oxygen near4 polar) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/04 13:43 |
| S31 | 26 | crystal near8 (substrate or semiconductor or wafer) and ("zinc oxide" near4 (substrate or semiconductor or wafer)) and polar | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/04 13:43 |
| S32 | 3 | crystal near8 (substrate or semiconductor or wafer) and ("zinc oxide" near4 (substrate or semiconductor or wafer)) and polar and "LED" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/04 13:44 |
| S33 | 12 | crystal near8 (substrate or semiconductor or wafer) and ("zinc oxide" near4 (substrate or semiconductor or wafer)) and polar and (light near4 emit\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/04 13:44 |